

PHENIX WEEKLY PLANNING



3/28/2013
Don Lynch

This Week

TECHNICAL
SUPPORT
2013

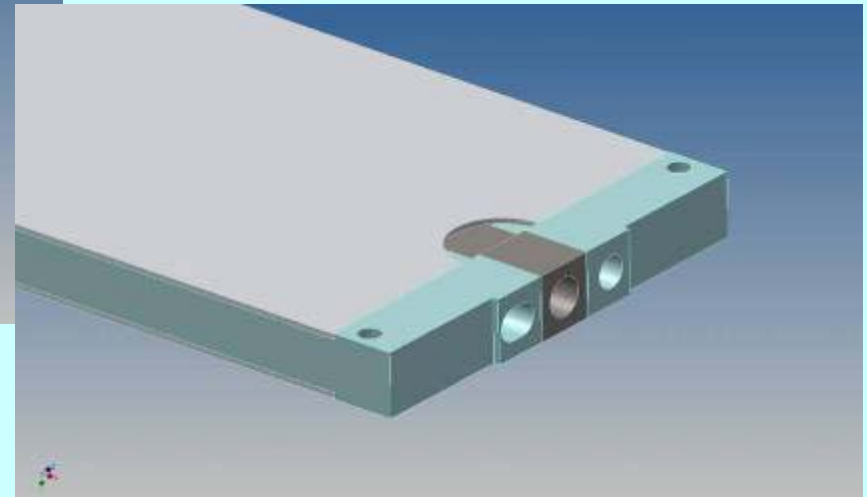
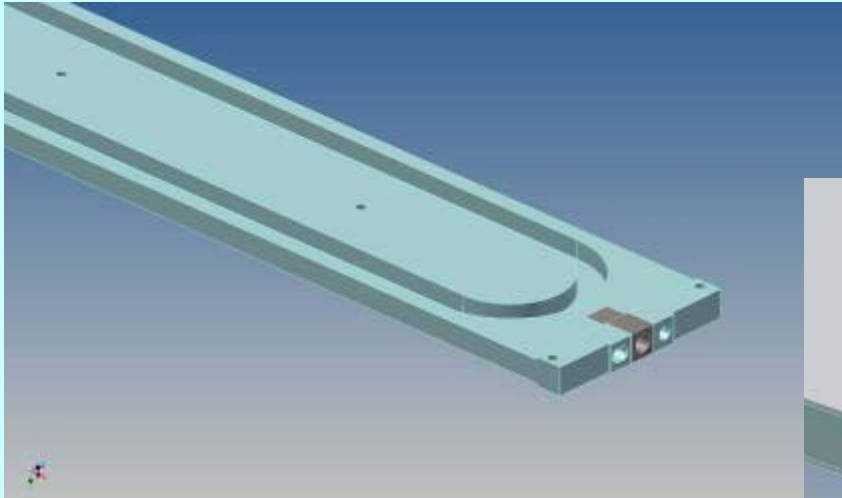
- Run 13 Continues: run support maintenance
- No Scheduled Access This Week
- Continue VTX strip pixel stave re-design
- Continue sPHENIX support
- Continue MPC-Ex design
- Future IR evolution modeling

Next Week

TECHNICAL
SUPPORT
2013

- Run 13 Continues: run support maintenance
- Next scheduled maintenance day next Wednesday 4/3
- Continue VTX strip pixel stave re-design
- Continue sPHENIX support
- Continue MPC-Ex design

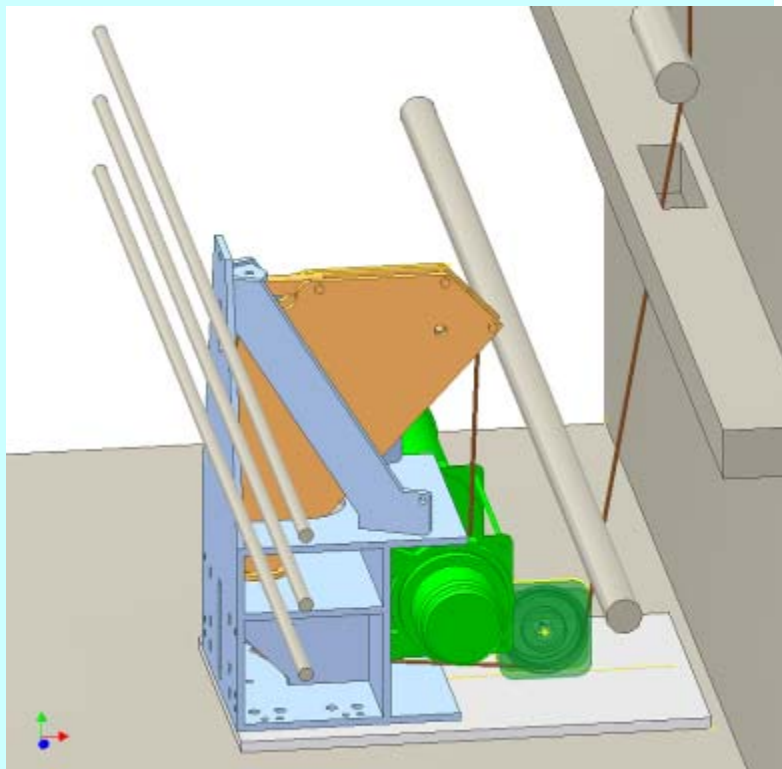
VTX Repair Project Progress



Prototypes of updated stave design
are in progress expect to be testing
by end of April

Window Washer Winch Upgrade

TECHNICAL SUPPORT 2013



Quotation #: 83944
Quotation Date: March 6, 2013
Page: 1 of 3

Attention: Donald Lynch
Company: Brookhaven National Lab
Phone: 631-344-2253

Based on the information provided to us for an AC hoist to be used for lifting, we are pleased to propose the following:

Line	Qty.	Product:	Net Each	Extended
1	1	Columbia HF2100-2A17-L-03 AC Electric Hoist <ul style="list-style-type: none"> 2.0 HP TEFC UL-listed brakemotor 230/3/60 input power Automatic, load-suspending braking system Permanently lubricated, high-efficiency planetary gear reduction Argent gray enamel paint finish Includes single speed low voltage controls <ul style="list-style-type: none"> Reversing motor starter in a NEMA 4X fiberglass enclosure UL-listed Includes NEMA 4X hand-held pendant control with UP/DOWN momentary contacts and up to 15' lead 	\$5,022.00	\$5,022.00

Options:

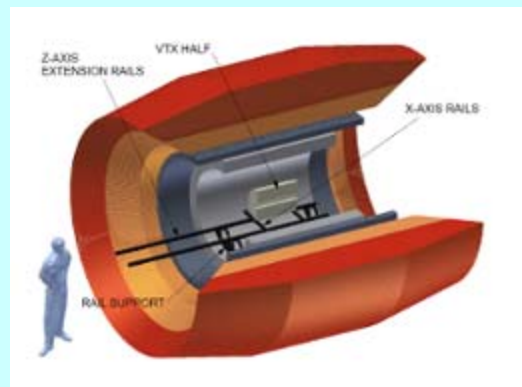
Line	Qty.	Product:	Net Each	Extended
2	1	AutoAdvance Line Spooler <ul style="list-style-type: none"> Designed and built for Columbia HF2100-2A17-L-03 Incoming line from front of spooler Fabricated steel frame Sheaves are steel construction, grooved for 5/16" line Ensures proper line spooling regardless of fleet angle Rope tension must be maintained for proper operation 	\$3,298.00	\$3,298.00

Line	Qty.	Product:	Net Each	Extended
3	1	VLS-6 Vertical Lead Sheave <ul style="list-style-type: none"> 6,000 lbs load limit Can be bolted down or welded for installation Fabricated steel construction Offset design allows for simple installation at any angle Bronze bushed steel sheave grooved for 5/16" wire rope 	\$458.00	\$458.00

Line	Qty.	Product:	Net Each	Extended
4	1	Wire Rope <ul style="list-style-type: none"> 200' of 5/16" galvanized aircraft cable with latching hook Supplied loose 	\$158.00	\$158.00

Total Estimated Material Cost: \$8396

3/28/2013

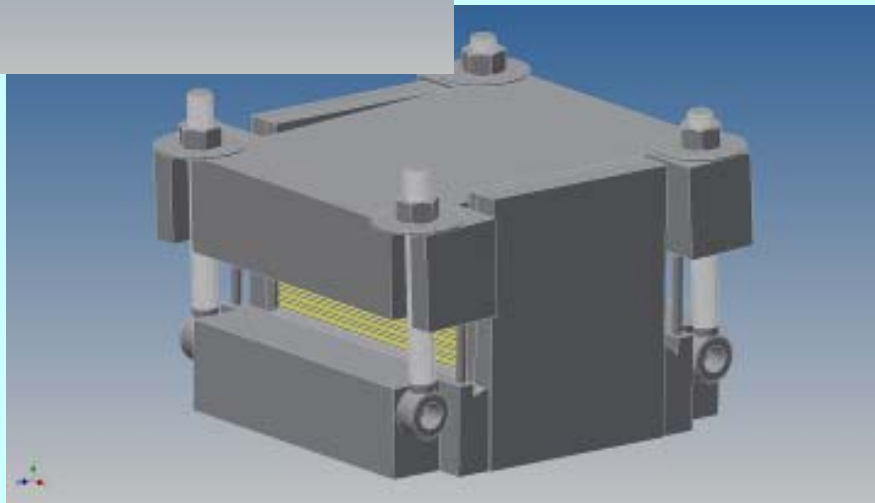
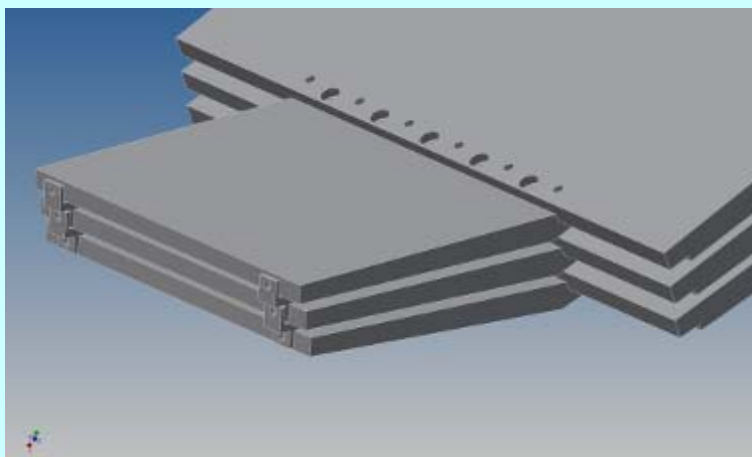


sPHENIX Proposed Upgrade

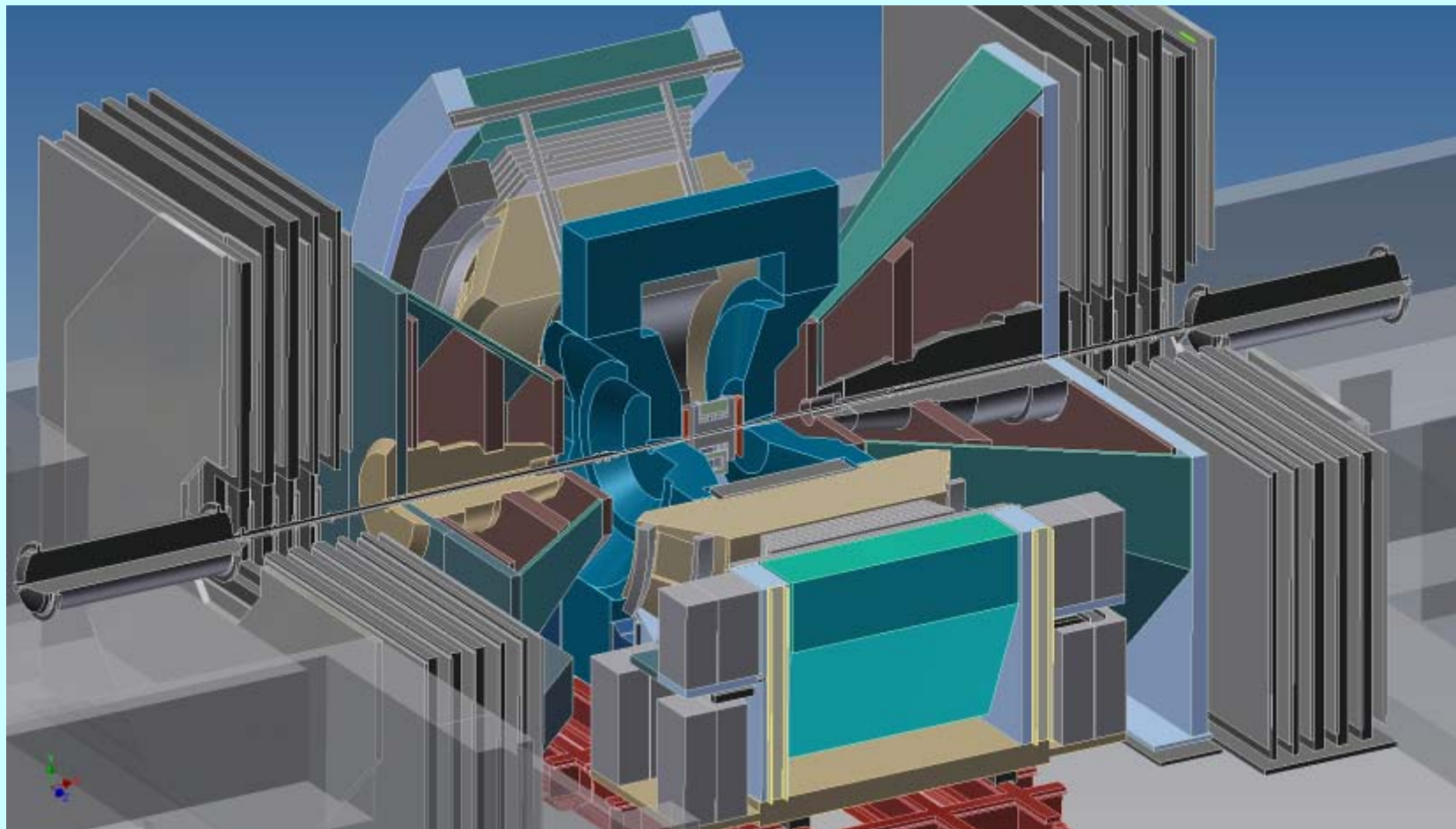
Work continues evaluating engineering tradeoffs for EMCal and HCal design, materials, etc.

Prototype HCal and EMCal in progress

Quote from ATLAS for HCal prototype steel received and under review.



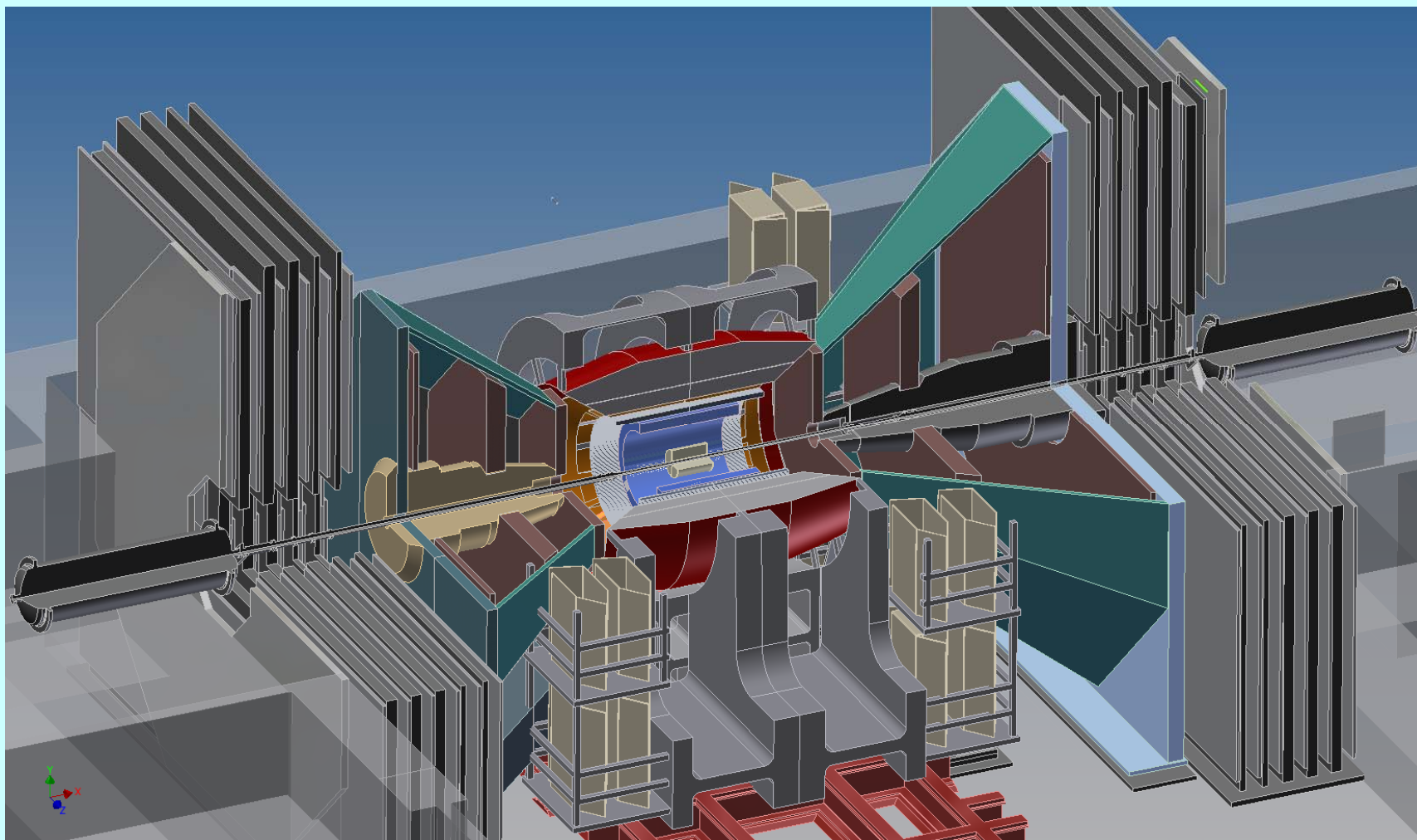
Current : PHENIX



TECHNICAL SUPPORT 2013

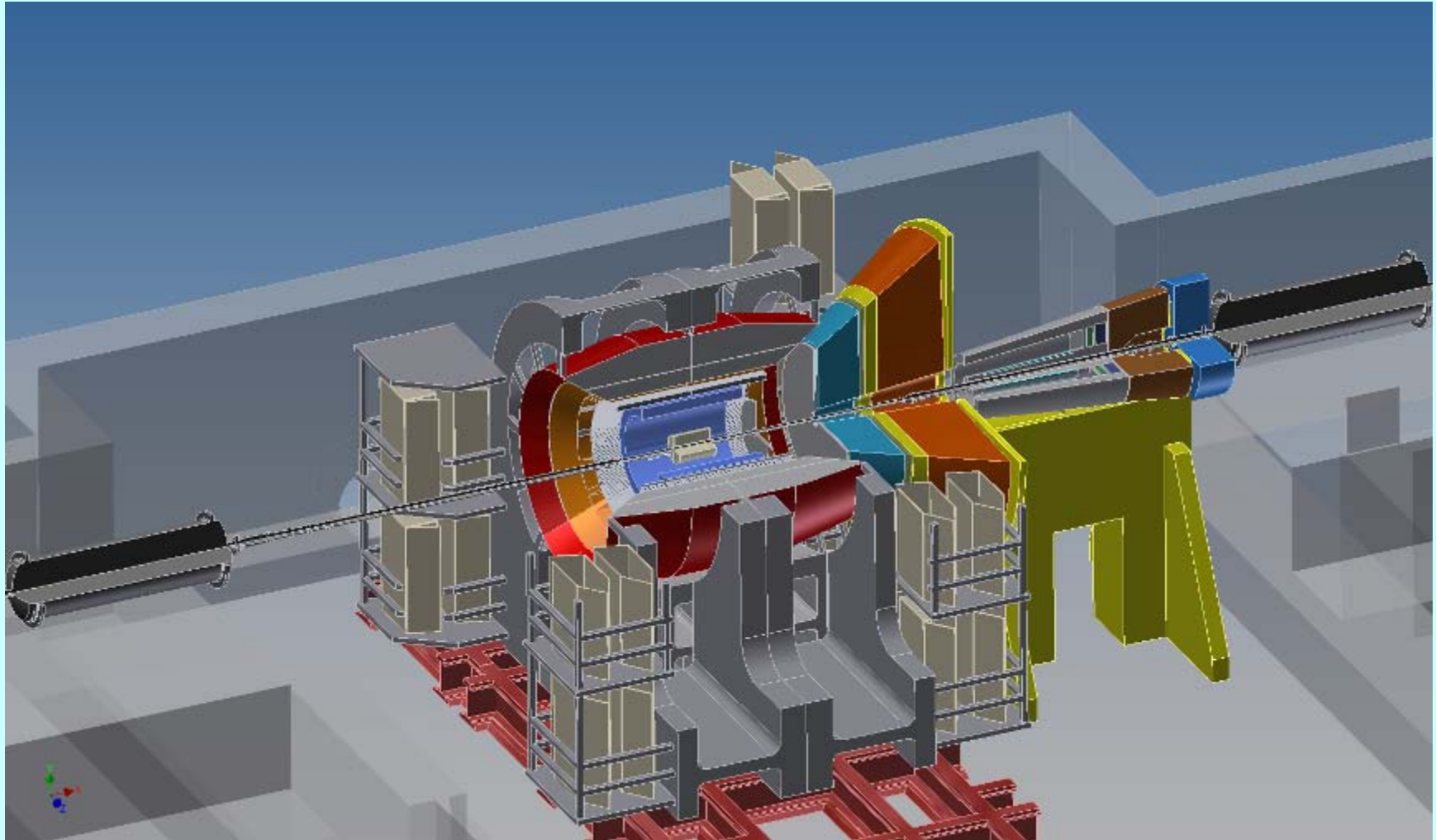
sPHENIX

TECHNICAL SUPPORT 2013



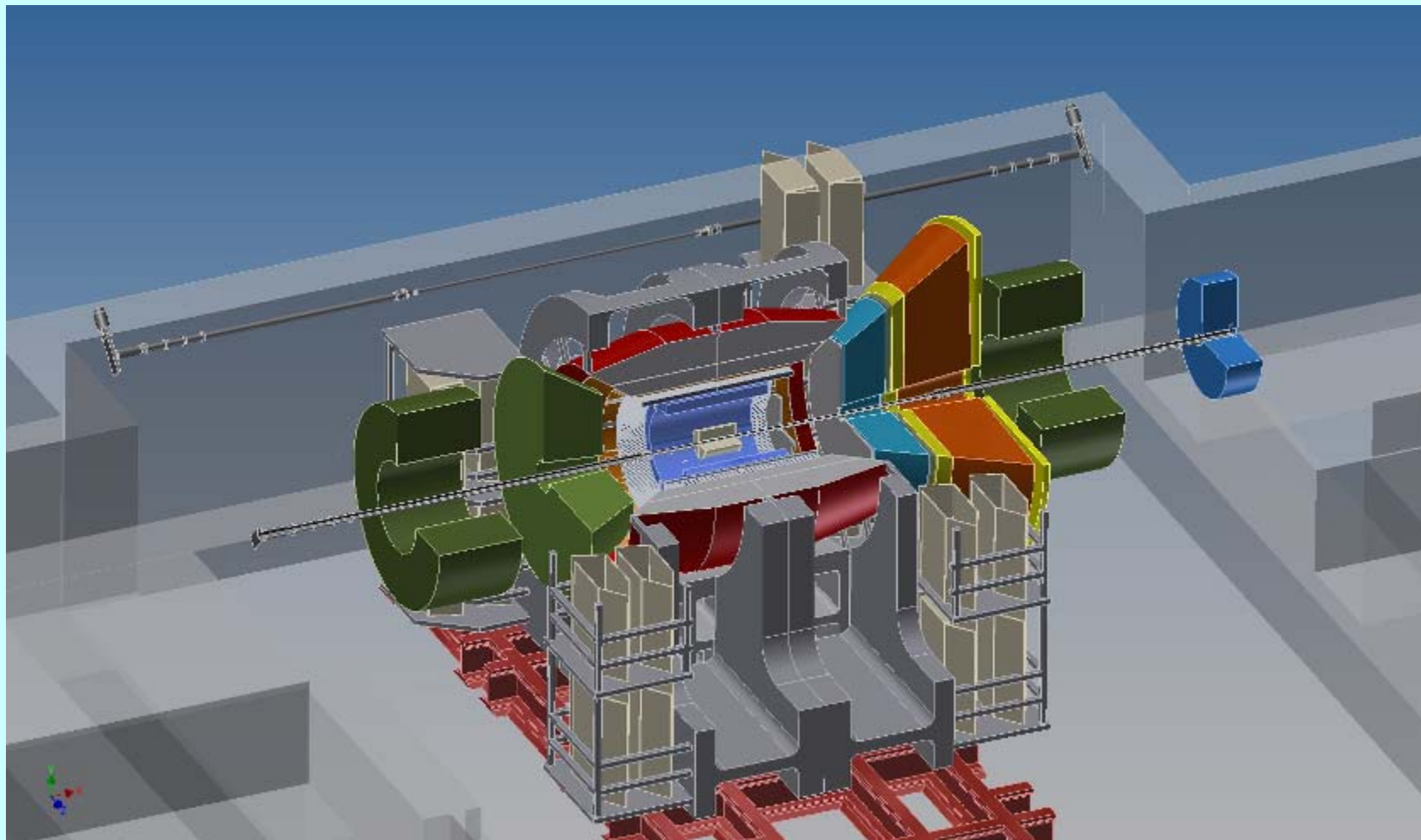
fsPHENIX

TECHNICAL SUPPORT 2013



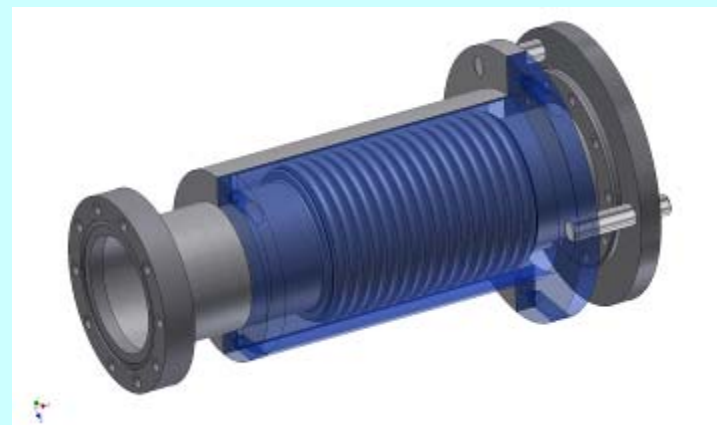
ePHENIX

TECHNICAL SUPPORT

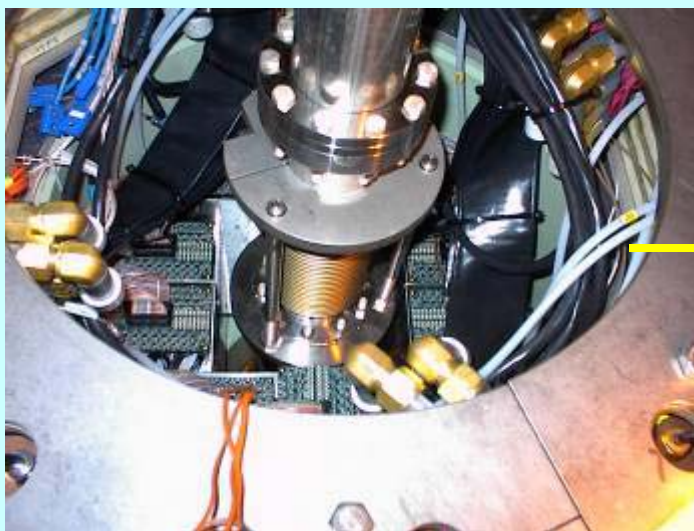




Existing vacuum bellows anti-squirm
In MPC S Cavity



Proposed vacuum bellows anti-squirm
In MPC S Cavity to accommodate MPC-Ex



MPCS Flat cables replaced with round cables.

TECHNICAL SUPPORT 2013

Prep for 2013 shutdown	2/11-6/30/2013
Design, Fabricate MPC-Ex	
Define tasks and goals	
Analysis and design of fixtures, tools and procedures	
Fabricate/procure tools and fixtures	
Tests, mockups, prototypes	
Receive, fabricate, modify, finish installables	
Review and approval of parts, tools, fixtures and procedures	
Assembly and QA tests	
End of Run Party	6/28/2013
Run 12 Ends	6/30/2013
Shutdown Standard Tasks	6/30-7/19/2013
• Open wall, disassemble wall, Remove MuID Collars,	
• Move EC to AH, etc.	
Disassemble VTX/FVTX services	7/1-7/19/2013
July 4 th Holiday	7/4/2013
Remove VTX/FVTX and transport to Chemistry Lab	7/22/2013
Assemble, Test and Install MPC-Ex (North only?)	7/22-10/1/2013
Summer Sunday (8/5) Prep and teardown	8/1-8/??/2013
Other detector maintenance as required	As required
Infrastructure maintenance as required	As required
TBD prototype tasks	As required
Summer Sunday (RHIC)	8/??/13

TECHNICAL SUPPORT NOTES

DC East Window Upgrade and Related Repairs

Labor Day Holiday

Repair upgrade, reassemble VTX/FVTX

Test, survey (at Chemistry and IR) and re-install VTX/FVTX

Pre-run commissioning and prep for run 14

Prep for EC roll in

Roll in EC

Prep IR for run

Pink/Blue/White sheets

Start run 14

8/19-9/27/2013

9/2/2013

7/23-10/13/2013

10/16-10/27/2013

11/1-12/31/2012

11/1-11/9/2013

11/10-11/12/2013

11/1-11/30/2013

12/14-12/31/13

1/1/2014

Requests for shutdown work should be submitted as soon as possible .
It is particularly important that we know when and if access is needed
to (a) the front or back of the WC, (b) south station 1, (c) north
station 1, (4) interior of MMS, (5) interior of MMN.



PHENIX Safety Initiatives

3. Ethane Tube railer

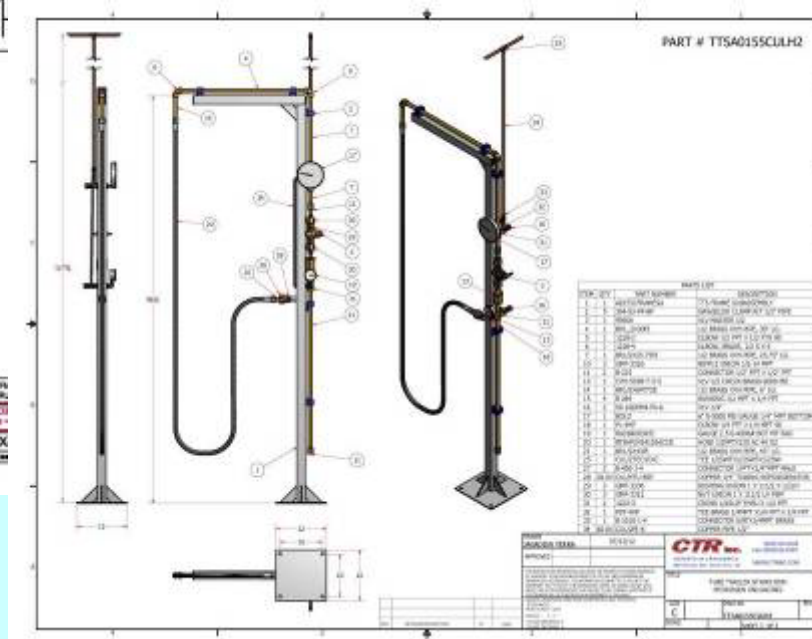


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Ethane Trailer Project: In progress





- 3/28/2013

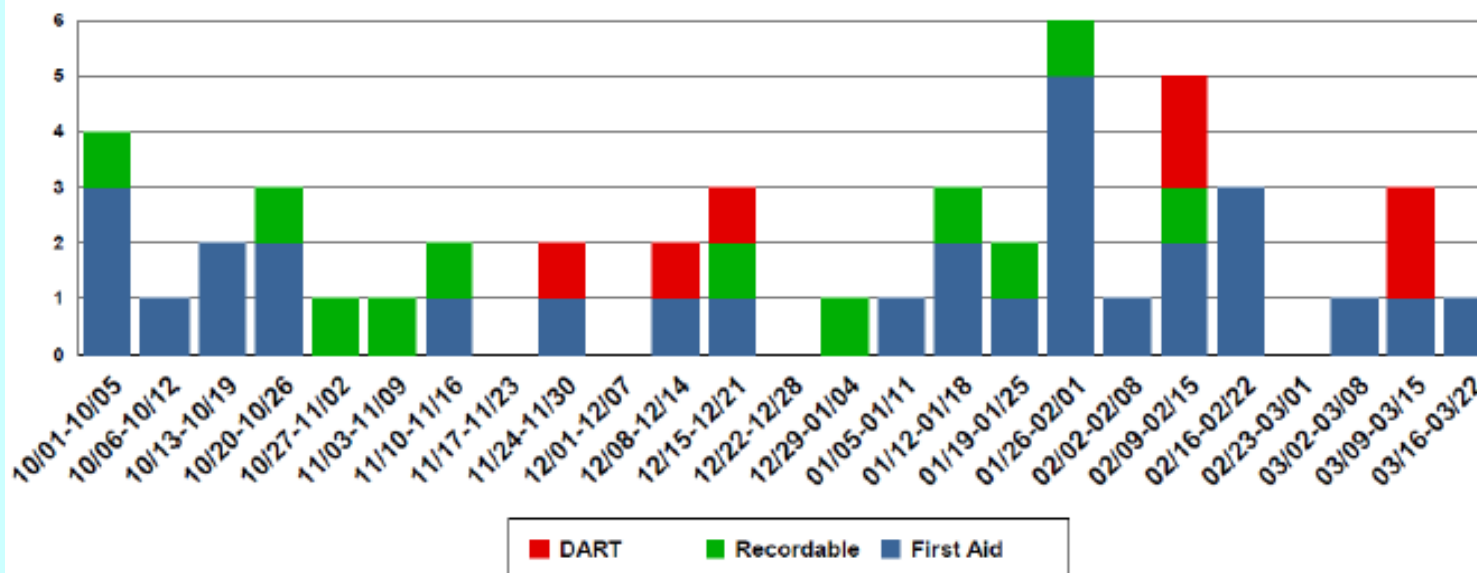
mRPC Test Lab Project

TECHNICAL SUPPORT NOTES



3/28/2013

Injuries Per Week (FY)
As of 3/22/2013



Injury Status:

FY13 YTD: DART – 7, TRC – 18, First Aid – 30
 FY12: DART – 17, TRC – 35, First Aid – 70
 FY11: DART – 30, TRC – 44, First Aid – 45

FY13 Injury Listing: <https://intranet.bnl.gov/esh/shsd/seq/OccInj/BNLIInjuries.aspx>

Recent Injuries

Date	Category	Description
3/18/13	First Aid	After standing up from a crouching position, an employee struck his forehead against the corner of a box causing a laceration. At the clinic, first aid was given.
3/15/13	DART	An employee lacerated a finger when it got caught between objects. The finger was treated with dermabond in lieu of sutures, making this an OSHA recordable case. On return to work, restrictions were imposed.
3/15/13	First Aid	An employee was lifting equipment into place and injured an arm. At the OMC, first aid was given and he returned to regular duties.
3/13/13	DART	An employee injured her shoulder while trying to empty a garbage bag. The employee received first aid at the OMC and stayed off work for the next two days, making this a DART case.



Recent Events		
3/21/13	SC-3	At approximately 8:30 PM on 3/21/2013, Fire/Rescue responded to an alarm of fire at Building 153. A 2nd floor kitchen fire activated the alarm and sprinkler system. The sprinkler system extinguished the fire. There is water damage. There is also damage to the stove, hood, and cabinets above the hood. The building was evacuated. DOE HQ was informed via telephone within an hour of the event. An investigation is in progress. (Event Link)
3/20/13	Non-Reportable	The scheduled Preventive Maintenance Work Order for Bldg. 449 Emergency Generator Transfer Test, set to take place at 0700 this morning, did not occur as scheduled. This system supports the site wide Fire Alarm and Telephone System. (Event Link)
3/19/13	Non-Reportable	BNL Fire/Rescue reported that it responded to Building 490 to investigate a report of a rotten egg smell. The smell was determined to be emanating from a small UPS unit located in Room 2-6. There was no smoke, toxic gases or fire. No one was injured. The affected UPS unit was removed from service. (Event Link)

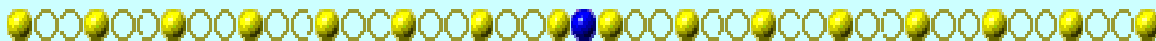


Where To Find PHENIX Engineering Info

Jacopo Bassano



http://www.phenix.bnl.gov/WWW/INTEGRATION/ME&Integration/DRL_SSint-page.htm



Master of Portillo



Duccio



Juan de Juanes



Ugolino di Nerio



Domenico Ghirlandaio



Leonardo da Vinci



